

# Converting Colors

YIQ(133.2790, 73.2690,  
-11.7790)

Have a look what the booklet for  
YIQ(133.2790, 73.2690, -11.7790)  
contains.

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# Color

**YIQ(133.2790, 73.2690,  
-11.7790)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C47920
RGB	196, 121, 32
RGB Percent	77%, 47%, 13%
CMY	0.2313, 0.5256, 0.8741
CMYK	0.00, 0.38, 0.84, 0.23
HSL	33°, 72%, 45%
HSV	33°, 84%, 77%
XYZ	29.8686, 25.5118, 4.7231
YIQ	133.2790, 73.2690, -11.7790

# Conversions

## Conversions Part 2

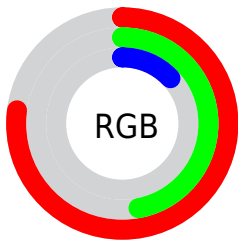
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 196, 32
Decimal	12876064
CIE <sub>Lab</sub>	57.57, 22.82, 56.57
CIE <sub>LCh</sub>	58, 61.003, 68.033
Yxy	25.5118, 0.4970, 0.4245
Android (android.graphics.Color)	4291066144 (0xFFC47920)
YUV	133.2790, -49.9305, 55.0063
Hunter-Lab	50.5092, 17.1648, 29.8123

# Details

The YIQ color **133.2790, 73.2690, -11.7790** is a dark color, and the websafe version is hex **996600**. The color can be described as dark muted orange. A complement of this color would be **94.7210, -73.2690, 11.7790**, and the grayscale version is **134.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **188.0730, 76.8450, -10.5070**, and **82.9280, 61.2560, -8.8240** is the 20% darker color. If you saturate the color by 10%, you get **125.7160, 82.1640, -13.2920**, and if you desaturate by 10%, it is **140.8420, 64.3740, -10.2660**.

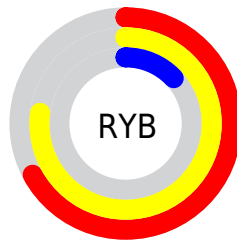
# Distribution



Red (77%)

Green (47%)

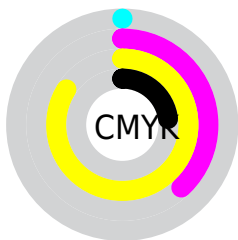
Blue (13%)



Red (67%)

Yellow (77%)

Blue (13%)

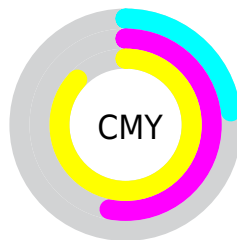


Cyan (0%)

Magenta (38%)

Yellow (84%)

Black (23%)



Cyan (23%)

Magenta (53%)


Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 133.2790, 73.2690, -11.7790 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 133.2790, 73.2690, -11.7790 by changing the saturation by 10% instead.





 133.2790, 73.2690,  
-11.7790


 133.2790, 73.2690,  
-11.7790


255.0000, -0.0000,  
-0.0000

 105.9860, 72.5360,  
-15.0160


 188.0730, 76.8450,  
-10.5070


 83.2270, 61.8520,  
-8.6120


 206.8860, 61.0740,  
-16.5420


 61.0550, 50.8930,  
-2.7310


 226.4000, 44.7070,  
-22.7890

 39.4700, 39.6590,  
2.6270

 244.7400, 28.8900,  
-27.9900

 18.4830, 29.6170,  
8.4090

 247.9320, 19.9020,  
-19.2820

 7.5890, 14.5790,  
5.6110

 251.2380, 10.5930,

 0.0000, 0.0000,

-10.2630

0.0000

254.5440, 1.2840,  
-1.2440

■ 133.2790, 73.2690,  
-11.7790

■ 133.2790, 73.2690,  
-11.7790

■ 125.7160, 82.1640,  
-13.2920

■ 140.8420, 64.3740,  
-10.2660

■ 120.8260, 87.6660,  
-13.8860

■ 148.2910, 55.8000,  
-9.0640

■ 155.8540, 46.9050,  
-7.5510

■ 163.4170, 38.0100,  
-6.0380

■ 170.8660, 29.4360,  
-4.8360

■ 178.4290, 20.5410,  
-3.3230

■ 185.8780, 11.9670,  
-2.1210

■ 193.4410, 3.0720,  
-0.6080

■ 201.0040, -5.8230,  
0.9050

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



134.2370, 83.3960, 19.4600



133.2790, 73.2690, -11.7790



128.6540, 49.2030, -38.1970

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



133.2790, 73.2690, -11.7790



113.0090, -93.6170, -37.9770



142.2290, -9.2690, 41.3470

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



133.2790, 73.2690, -11.7790



94.7210, -73.2690, 11.7790

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



118.9660, -98.9440, 9.0240



133.2790, 73.2690, -11.7790



118.2360, -109.7130, -21.5930

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



133.2790, 73.2690, -11.7790



105.4510, -75.0910, -54.3470



118.0030, -118.7020, -7.3580



139.2710, 43.6390, 51.6630



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



133.2790, 73.2690, -11.7790



126.0830, 17.0180, -44.1180



118.0030, -118.7020, -7.3580



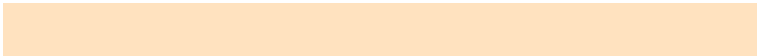
139.6930, -31.3670, 34.3370

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



133.2790, 73.2690, -11.7790



230.6810, 28.5190, -4.7370



89.8140, 73.0270, 58.7150



112.9880, 17.4690, -2.7150



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



133.2790, 73.2690, -11.7790



157.2510, 114.0300, -18.1140



175.8090, 49.6640, -52.0640



92.9250, 4.5850, -0.4950



99.2080, 72.0310, -11.3690



20.4330, 14.7180, -2.4180



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



94.7210, -73.2690, 11.7790



97.7490, -114.0300, 18.1140



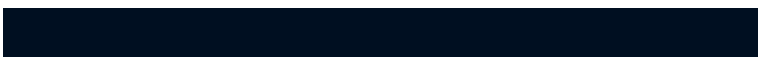
52.4900, -49.0680, 52.2760



91.0750, -4.5850, 0.4950



61.7920, -72.0310, 11.3690



12.5670, -14.7180, 2.4180



# Previews

## White Background



This preview shows how the YIQ color 133.2790, 73.2690, -11.7790 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 133.2790, 73.2690, -11.7790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 133.2790, 73.2690, -11.7790

## Background



This preview shows how black text looks on a background with the YIQ color 133.2790, 73.2690, -11.7790.



This preview shows how white text looks on a background with the YIQ color 133.2790, 73.2690, -11.7790.

-11.7790.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

133.2790, 73.2690, -11.7790

### Protanopia

132.4550, 42.8740, -28.1180

### Deuteranopia

132.8870, 59.3330, -23.5390



## Tritanopia

139.9250, 49.2840, 20.9320

# Trichromacy



## Original Color

133.2790, 73.2690, -11.7790

## Protanomaly

132.6030, 54.3810, -21.8990

## Deuteranomaly

133.1590, 64.5590, -19.1290

## Tritanomaly

137.7390, 58.1350, 9.1990

# Monochromacy



## Original Color

133.2790, 73.2690, -11.7790

## Achromatopsia

133.0000, 0.0000, 0.0000

## Achromatomaly

133.3110, 26.6850, -4.5390

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 133.2790, 73.2690, -11.7790 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(196, 121, 32)` looks like.

```
.text, #text, p{  
    color:rgb(196, 121, 32)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(196, 121, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 121, 32) }
```

## Border

The CSS property to change the border of an element to YIQ 133.2790, 73.2690, -11.7790 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 121, 32) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(196, 121, 32) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(196, 121, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 121, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 121, 32);  
box-shadow:4px 4px 4px 4px rgb(196, 121,  
32) }
```

# Background

The CSS property to change the background color of an element to YIQ 133.2790, 73.2690, -11.7790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 121, 32) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(196,  
121, 32) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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